

Claims:

1. Method for producing light-guiding LED bodies (10, 70) from a material (33, 53) which is flowable before finally being solidified, in a mold, wherein the individual LED body (10, 70) comprises at least one light-emitting chip (6) and at least two electrical terminals (1, 4) connected to the chip (6),
 - **wherein** at least one flowable material (33, 53) is introduced into the mold through at least two different locations (31, 32, 51) at staggered times,
 - **wherein** the first introduction of the flowable material (53) is performed to surround the chip (6) and terminals (1, 4) in this region (42, 43), and
 - **wherein** the additional introductions of one or more flowable materials (33, 53) take place in regions that lie outside the region of the chip and terminals (42, 43).
2. Method for producing light-guiding LED bodies from claim 1, **characterized in that** the time offset between the introduction of the first (53) and the second flowable material (33) is shorter than the solidification phase of the material introduced first (53).
3. Method for producing light-guiding LED bodies from claim 1, **characterized in that** the LED body (10) has a volume of at least 0.3 ml.

4. Method for producing light-guiding LED bodies from claim 1, **characterized in that**, during the first introduction of flowable material (53) the chip (6) and/or its terminals (1, 4) are embedded enough that the shortest distance to the subsequently introduced flowable material (33) is at least 0.5 mm.
5. Method for producing light-guiding LED bodies from claim 1, **characterized in that** the first introduction of flowable material (53) takes place between the terminals (1, 4) on the chip underside.
6. Method for producing light-guiding LED bodies from claim 1, **characterized in that** the direction in which the second flowable material (33) is introduced differs from the direction in which the first flowable material (53) is introduced.
7. Method for producing light-guiding LED bodies from claim 1, **characterized in that** the quantity of material of at least one later-introduced material (33) is at least five times greater than the quantity of material first introduced.
8. Method for producing light-guiding LED bodies from claim 1, **characterized in that** the sequentially introduced materials (33, 53) are identical.